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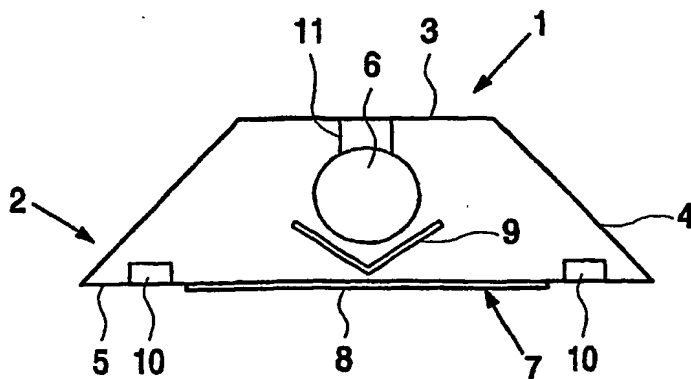
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: LAMP SYSTEM WITH GREEN-BLUE GAS-DISCHARGE LAMP AND YELLOW-RED LED



(57) Abstract: The invention relates to a lamp system having- a gas-discharge lamp with a color point in the green-blue,- an LED with a color point in the yellow-red, and- an optical component for additive mixing of the light from the gas-discharge lamp and the LED, and to a corresponding method of illumination. A blue and green emitting fluorescent lamp is particularly suitable as gas-discharge lamp, and a red-yellow-emitting AlGaInP LED or a red-emitting AlGaAs LED as LED. Through additive mixing of the light from these high-efficiency light sources, the invention provides a highly efficient light source affording good color rendering, which contains all three primary colors and is particularly suited to the highly efficient generation of white light.

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## INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| A          | DE 198 29 270 A (HOFMANN HARALD PROF DR<br>ING) 7 January 1999 (1999-01-07)<br>abstract<br>column 1, line 3 - line 7<br>column 2, line 48 - line 58<br>column 3, line 63 - column 4, line 9<br>column 4, line 61 - column 5, line 35<br>column 7, line 43 - line 64<br>claims 1,8,19-23<br>---<br>-/- | 1,8                   |

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
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| A          | US 6 400 104 B1 (HAM BYUNG IL)<br>4 June 2002 (2002-06-04)<br>column 2, line 26 - line 63<br>figure 1<br>-----  | 1,8                   |

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